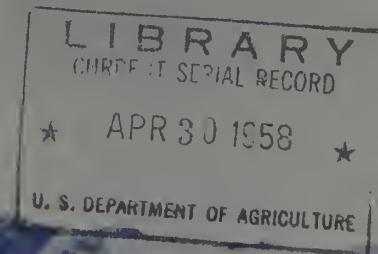


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FEDERAL - STATE - PRIVATE COOPERATIVE
SNOW SURVEY and WATER SUPPLY FORECASTS
for
NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE
and
NEVADA STATE ENGINEER

Data included in this report were obtained by the agencies named above
in cooperation with the Federal, State and private organizations listed
on the last page of this report.

AS OF
APR. 1, 1958

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1300 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	COOPERATING WITH	LOCATION
RIVER BASINS			
COLORADO, RIO GRANDE	MONTHLY (FEB.-MAY),	COLO. EXP. STATION	FT. COLLINS, COLORADO
AND PLATTE-ARKANSAS			
COLUMBIA <i>Includes Alaska</i>	MONTHLY (JAN.-MAY).....		BOISE, IDAHO
UPPER MISSOURI	MONTHLY (FEB.-MAY).....	MONT. AGR. EXP. STATION	BOZEMAN, MONTANA
WEST-WIDE.....	SEMI-ANNUALLY (OCT. 1 AND APR. 1).....	COOPERATORS	PORLAND, OREGON

STATES

ARIZONA.....	SEMI-MONTHLY..... (JAN. 15-APR. 1)	SALT R. VALLEY WATER USERS ASSOCIATION	PHOENIX, ARIZONA
NEVADA.....	MONTHLY (FEB.-APR.).....	NEVADA STATE ENGINEER.....	RENO, NEVADA
OREGON.....	MONTHLY (JAN.-MAY).....	ORE. AGR. EXP. STATION	PORLAND, OREGON
UTAH.....	MONTHLY (JAN.-MAY).....	UTAH STATE ENGINEER UTAH AGR. EXP. STATION	SALT LAKE CITY, UTAH
WASHINGTON.....	MONTHLY (FEB.-MAY).....	WASH. STATE DEPT. OF CONSERVATION AND..... DEVELOPMENT	SPokane, WASHINGTON
WYOMING.....	MONTHLY (FEB.-JUNE).....	WYOMING STATE ENGINEER.....	CASPER, WYOMING

Copies of the various reports may be secured from: Head, Water Supply Forecasting Section
Soil Conservation Service
209 S.W. 5th Avenue, Portland 4, Oregon

PUBLISHED BY OTHER AGENCIES

OTHER SNOW SURVEY REPORTS

BRITISH COLUMBIA	MONTHLY (FEB.-JUNE).....	COMPTROLLER, WATER RIGHTS BR., DEPT. OF LANDS AND FORESTS, PARLIAMENT BLDGS. VICTORIA, B.C.
CALIFORNIA.....	MONTHLY (FEB.-MAY).....	CALIFORNIA DEPARTMENT OF WATER RESOURCES, SACRAMENTO, CALIFORNIA

FEDERAL - STATE COOPERATIVE
SNOW SURVEYS AND WATER SUPPLY FORECASTS

For

N E V A D A

Report Prepared

By

Norman S. Hall, Hydraulic Engineer
Roy E. Malsor, Agricultural Engineer

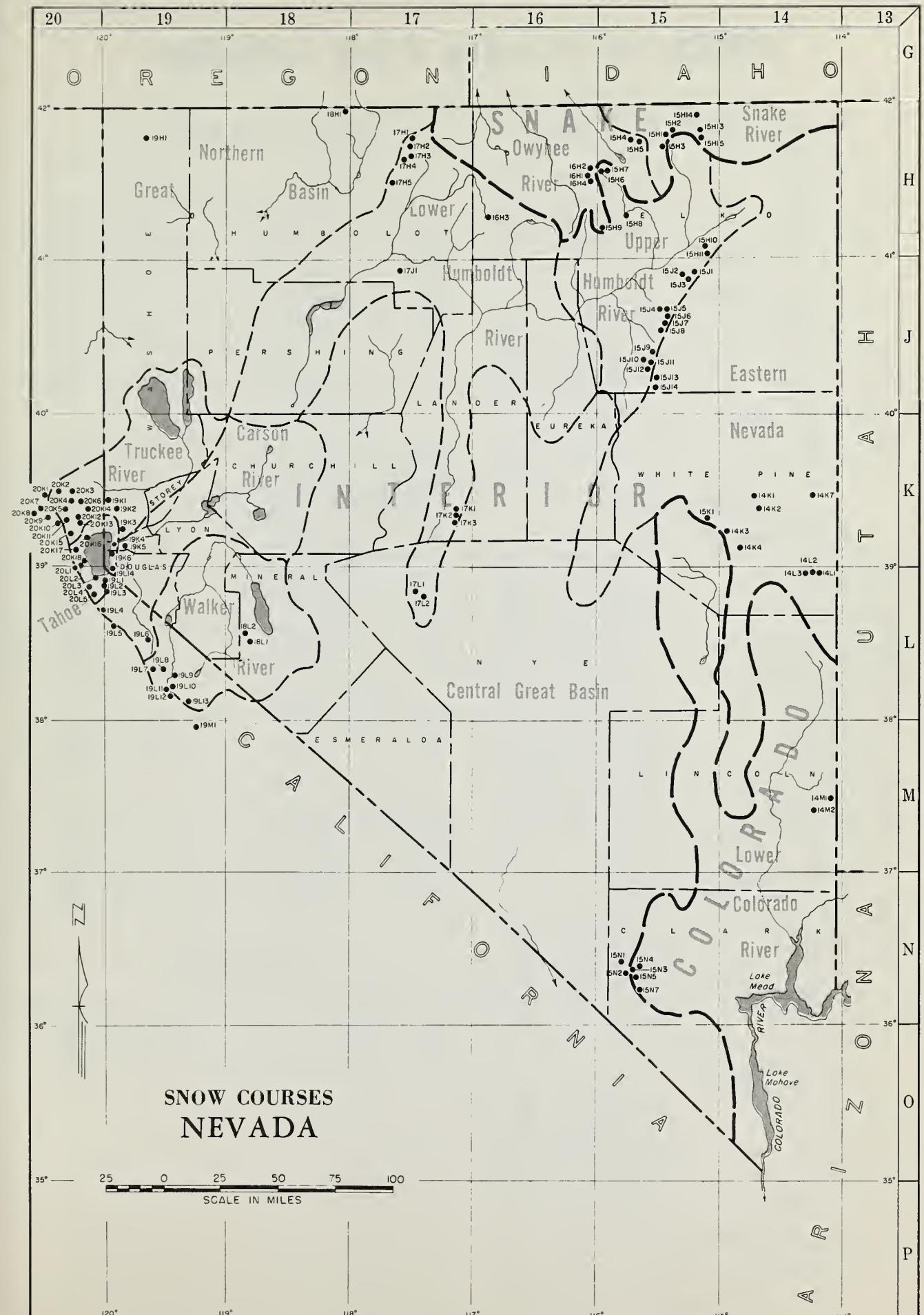
Soil Conservation Service
1485 Wells Avenue
Reno, Nevada

Issued By

Charles W. Cleary, Jr.
State Conservationist
Soil Conservation Service
Reno, Nevada

Ed Muth
Nevada State Engineer
Department of Conservation
and Natural Resources
Carson City, Nevada

April 8, 1958



INDEX TO NEVADA SNOW COURSES

* LOCATED ON ADJACENT WATERSHED

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WATER SUPPLY OUTLOOK
FOR NEVADA

April 1, 1958

*
* 1958 will be the best irrigation water year since 1952 *
* Forecasts on the Owyhee River in northern Elko County *
* are for about 177 percent of normal, 132 percent on the *
* main Humboldt at Palisade, 125 percent on the Walker *
* watershed, 148 percent on the Carson River system and *
* about 164 percent on the Truckee-Tahoe system. *

Storms the first part of April have increased the mountain snow pack, especially in the Sierras. Water content of the snow courses are below those measured in the record-breaking year of 1952. Most reservoirs are being lowered in anticipation of the high expected flows.

The Truckee Basin Water Committee reports that all of its reservoirs will be filled to capacity. On April 1, the elevation of Lake Tahoe was 6228.25 storing 630,000 acre feet. Controlled releases are being made to keep the Lake below the legal maximum.

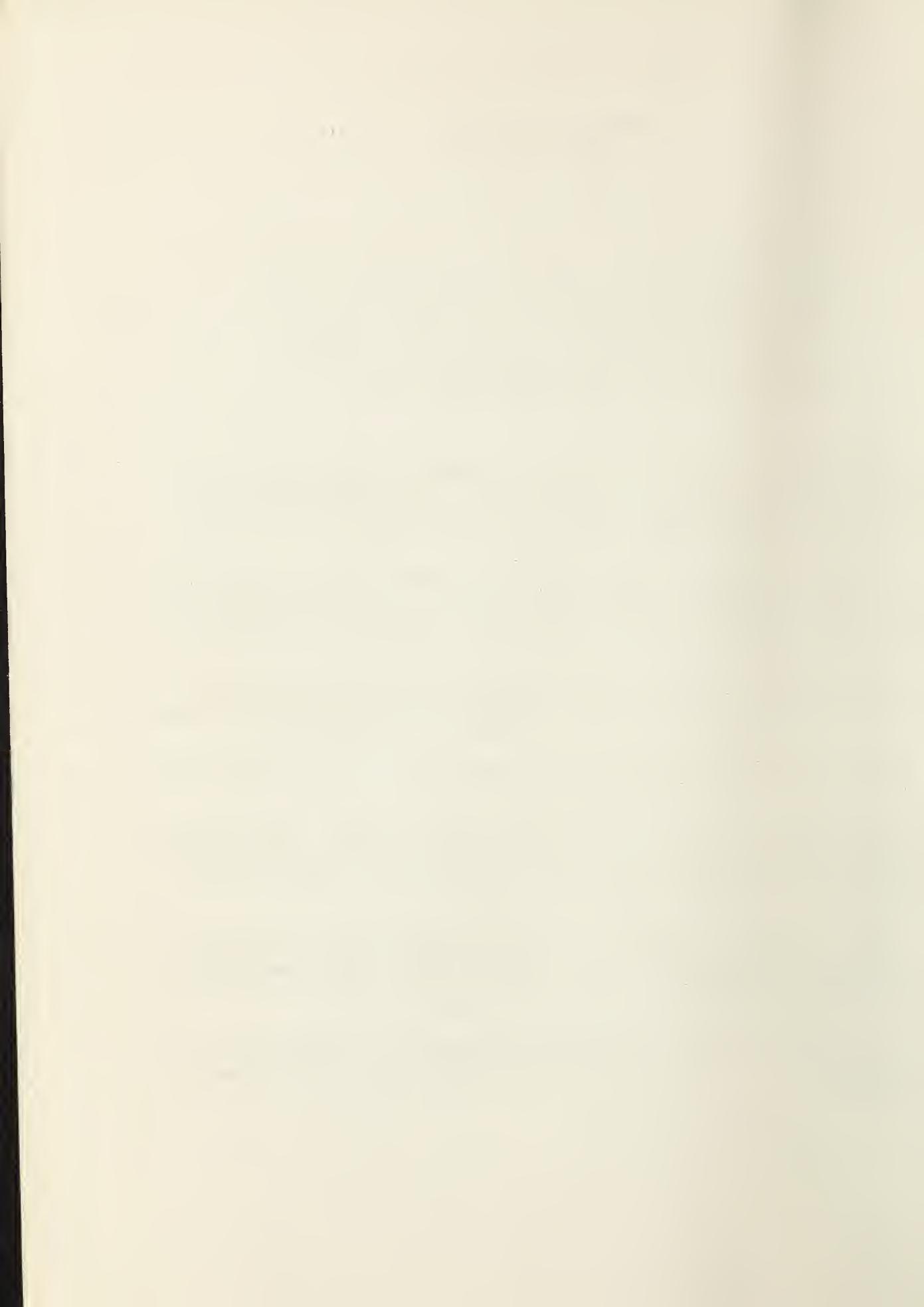
Snow surveys on the Spring Mountains near Las Vegas averaged 128 percent of the April 1 15 year normal. Pine and Mather Canyon snow courses were bare of snow but winter rains have saturated the soil mantle.

White Pine County snow courses are near normal and recent storms have favorably improved water supply prospects.

On the Toiyabe Range, south of Austin, the two upper Big Creek courses averaged 144 percent of the 15 year 1938-52 April 1 normal. Two courses on the south end of the Reese River averaged 138 percent of normal. Water supply can be expected to be good in this area.

April 1 storage in 7 important reservoirs was 78 percent of capacity or 120 percent of the April 1 15 year 1953-52 normal. During March, Rye Patch Reservoir increased its storage about 19,000 acre feet and now stores 100,000 acre feet or normal for this time of year.

Soil moisture beneath the mountain snow pack in all areas was reported as nearly saturated. Very little of the snow pack water will be needed to prime the soil.



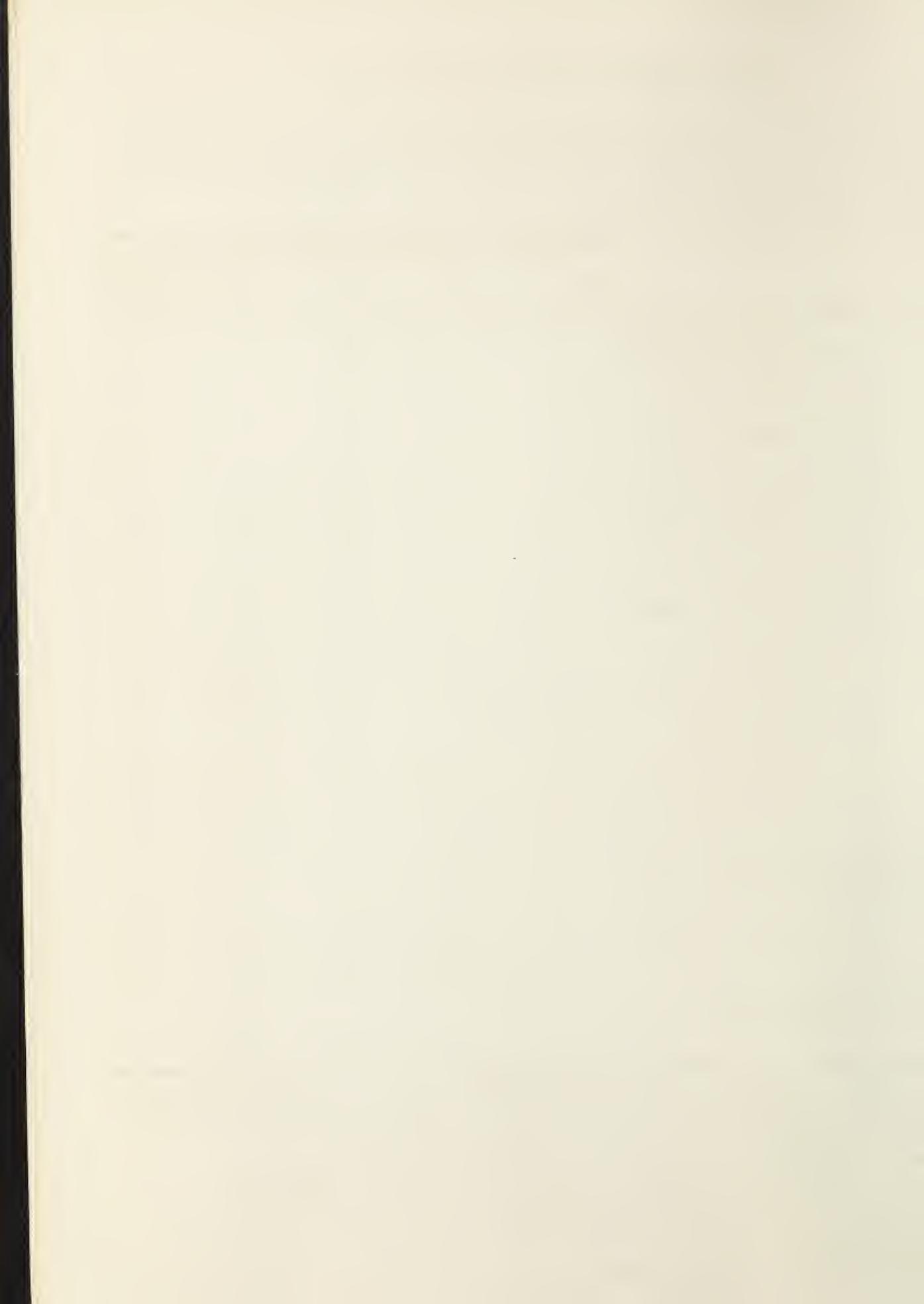
NEVADA STREAMFLOW FORECASTS - APRIL 1, 1958

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. These forecasts are subject to revision May 1, 1958.

Forecast Stream	April-July, Streamflow Thousands Acre Feet				
	Forecast 1958	15-Yr. 1958 as Av. 1938-52 % of 15-Yr. Av.			Measured Runoff 1957 1958
		15-Yr. 1958 as Av. 1938-52 % of 15-Yr. Av.	Measured Runoff 1957 1958		
Owyhee River nr. Gold Creek, Nev. ¹	51	28	182	23	23
Owyhee River nr. Owyhee, Nev. ¹	155	88	176	102	75
Lamoille Creek nr. Lamoille, Nev.	3 ⁴	30	113	3 ⁴	32
So. Fk. Humboldt nr. Elko, Nev.	140	84	167	78	88
Humboldt River at Palisade, Nev.	330	249	132	247	249
Martin Creek nr. Paradise, Nev.	30	18	167	21	17
East Walker nr. Bridgeport, Cal. ²	96	73	131	48	126
West Walker nr. Coleville, Cal.	190	160	119	128	236
East Carson nr. Gardnerville, Nev.	260	195	133	162	281
West Carson at Woodfords, Cal.	80	55	145	50	8 ⁴
Carson River nr. Carson City, Nev.	29 ¹	192	153	148	315
Carson River at Ft. Churchill, Nev.	300	189	150	159	319
Little Truckee River above Boca, California ^{3, 5}	142	80	186	71	135
Truckee River at Farad, Cal. ^{3, 5, 6}	116	279	149	206	40 ⁴
Lake Tahoe ^{4, 5, 6}	2.5	1.6	15 ⁶	1.4	2.0
Salmon Falls Creek nr. San Jacinto, Nevada	95 [*]	92	103	10 ⁴	90

1. Corrected for storage in Wild Horse Reservoir.
2. For period April through August corrected for storage in Bridgeport Reservoir.
3. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
4. Maximum rise, in feet, from April 1, assuming gates closed.
5. Forecast issued by Truckee Basin Water Committee which is composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company, and Washoe County Water Conservation District.
6. The Truckee Basin forecast figures are preliminary as surveys and studies are incomplete.

* Forecast period of March-September.

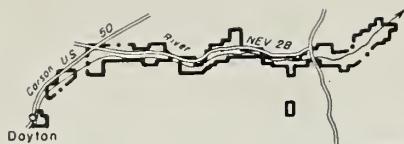


STATUS OF RESERVOIR STORAGE

APRIL 1, 1958

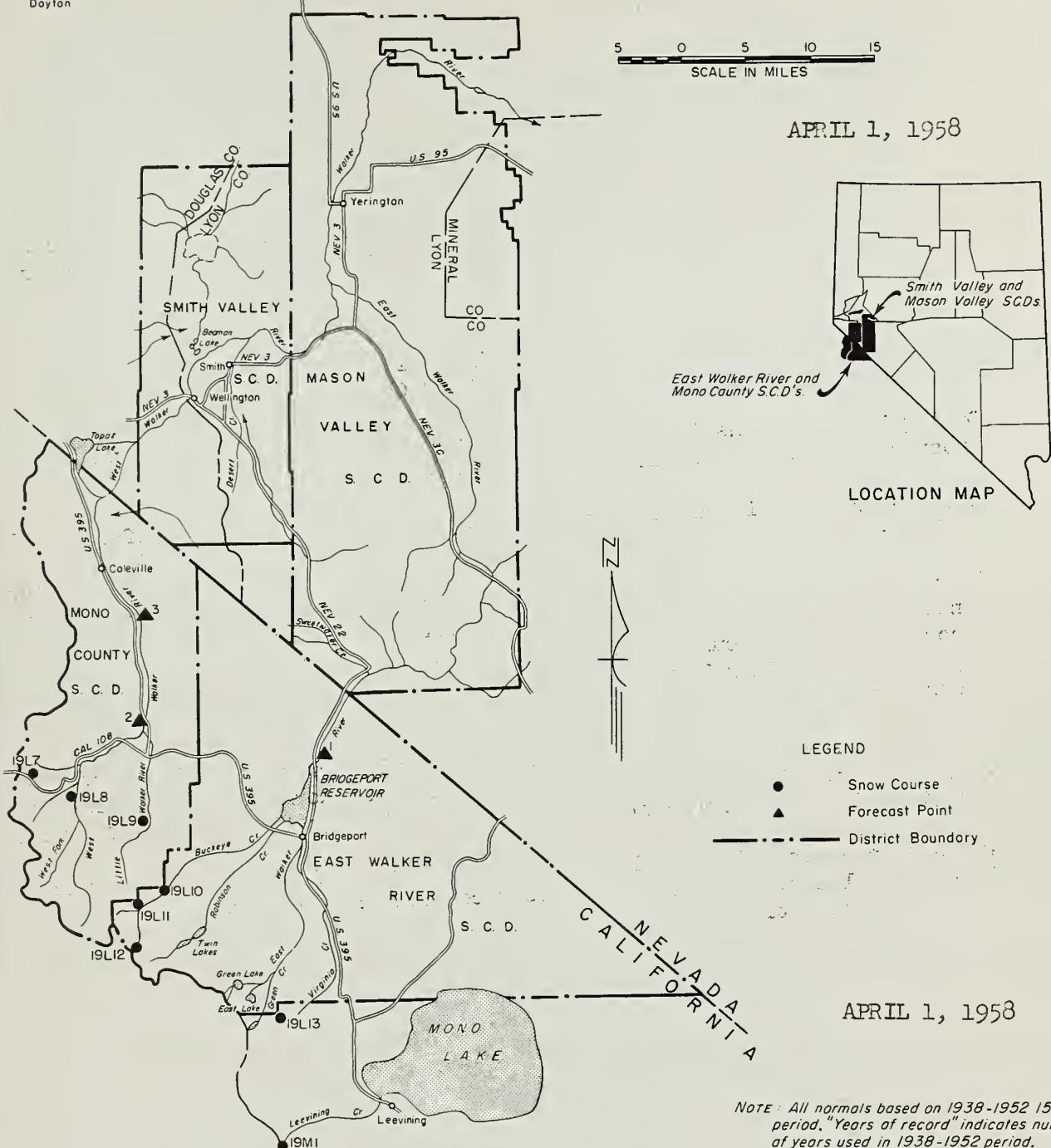
BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000-AF)	USABLE STORAGE - 1000 ACRE FEET			
			1958	1957	1956	15-YR.AVE 1938-52
Owyhee	Wild Horse	53	22	30	10	14
Lower Humboldt	Rye Patch	178	100	63	40	100
Colorado	Mohave	1,810	1,738	1,690	1,718	New Reser.*
Colorado	Mead	27,217	19,022	11,502	10,728	18,153
Tahoe	Tahoe	732	630	598	481	446
Truckee	Boca	41	7	22	11	13
Carson	Lahontan	285	234	252	197	233
West Walker	Topaz	59	38	59	52	44
East Walker	Bridgeport	42	37	42	35	35

* Reservoir storage began in 1950. The 1950-57 average is 1,492,000 A.F.



SNOW SURVEY & WATER SUPPLY FORECAST

SMITH VALLEY & MASON VALLEY S.C.D.'S., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D.'S., CALIFORNIA



SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT (Inches)			
				(Inches)	(Inches)	LAST YEAR	NORMAL		
19L13	Virginia Lakes	9500	3/26	72	22.9	13.3	18.3	6	
19L10	Buckeye Roughs	7900	3/24	81	26.8	14.0	22.1	15	
19L11	Buckeye Forks	8500	3/24	86	26.3	17.7	21.2	14	
19L12	Center Mountain	9400	3/25	133	45.8	30.0	40.3	14	
19L9	Willow Flat	8250	3/26	50	17.2	5.4	11.3	14	
19L8	Leavitt Meadows	7200	3/27	35	15.5	0.8	8.5	15	
19L7	Sonora Pass	8800	3/27	94	33.1	16.7	25.3	15	
19ML	Tioga Pass	9900	3/27	89	31.7	16.7	26.3	13	

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Topaz	59	38	59	44
Bridgeport	42	37	42	35

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
1. East Walker near Bridgeport, Calif.*	96	48	73
2. (Blank)			
3. West Walker near Coleville, Calif.	190	128	160
4. (Blank)			
5. (Blank)			

* April through August forecast period corrected for change in storage of Bridgeport Reservoir

APRIL 1, 1958 WATER SUPPLY OUTLOOK

During March, storms in the high Sierras materially improved the water supply prospects for users of Walker River water.

All snow courses in the Walker River watersheds were measured before the heavy April 1-4 storms. As of the time the snow courses were measured, they averaged about 130 percent of the April 1 15 year 1938-52 normal. The largest increase occurred on the lower elevation courses. The high elevation course, Center Mountain, measured 45.8 inches water content or 114 percent of the April 1 normal. Center Mountain snow course best reflects the total seasonal water supply on the Walker River system. The lower courses indicate high flows will occur during April and May.

The April through August forecast on the East Walker below Bridgeport Reservoir is 96,000 acre feet or 131 percent of the 15 year normal. On the West Walker near Coleville, the forecast is 190,000 acre feet or 119 percent of normal.

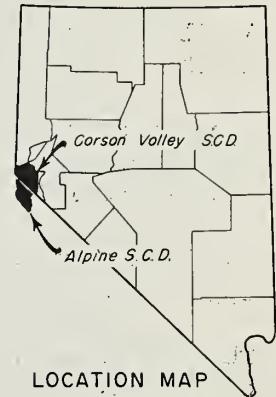
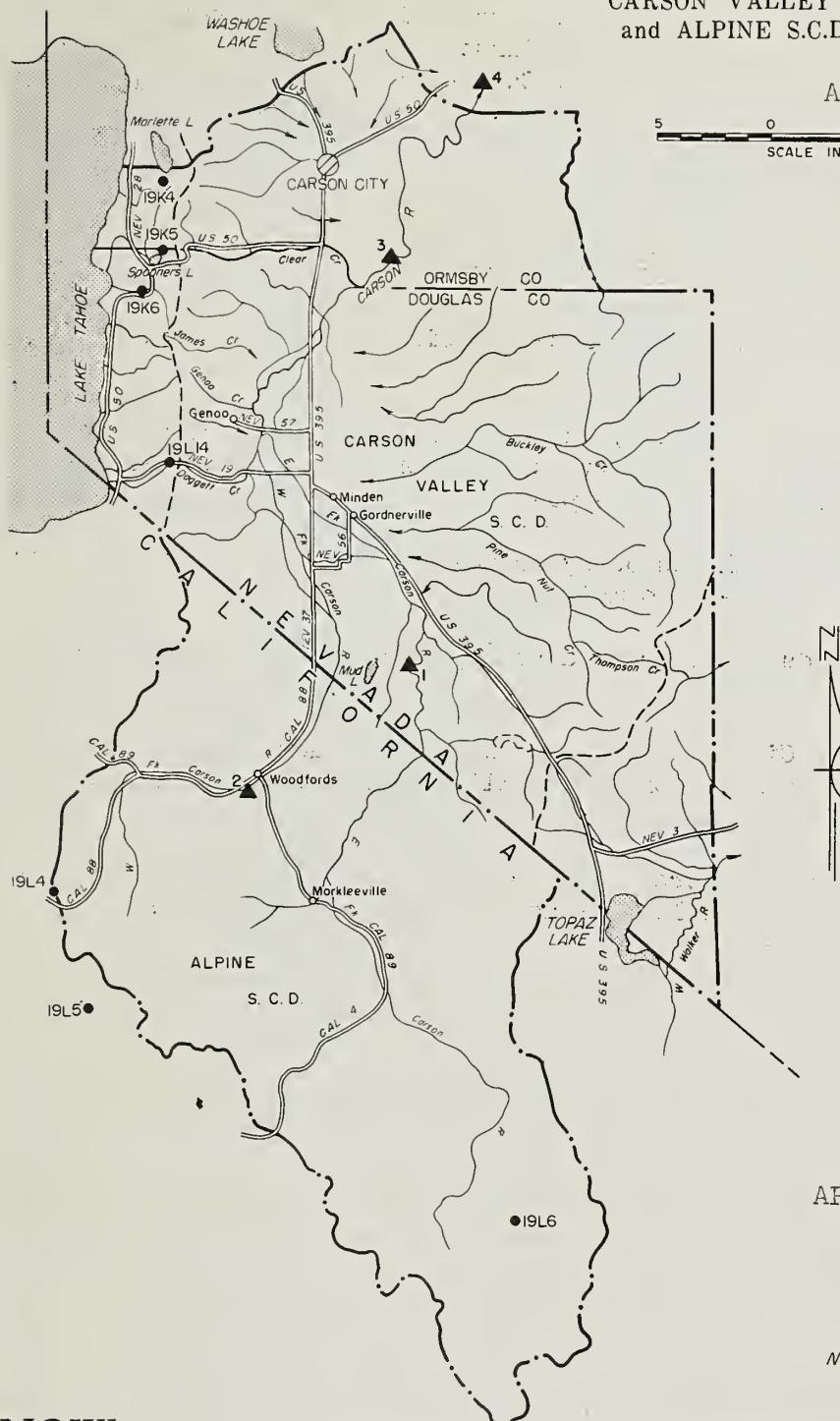
Two snow courses, Virginia Lakes and Sonora Pass, will be measured on May 1. If the May 1 surveys reflect different conditions, the forecasts will be revised at that time.

SNOW SURVEY & WATER SUPPLY FORECAST

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA

APRIL 1, 1958

5 0 5 10
SCALE IN MILES



LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary
- - - Watershed Areas

APRIL 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

No.	NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)			
						LAST YEAR	NORMAL		
19L6	Poison Flat	7900	Report delayed			13.6	16.5	11	
19L5	Blue Lakes	8000	Report delayed			27.8	39.8	15	
19L4	Carson Pass	8600	Report delayed			35.2	37.6	15	
19L14	Daggetts Pass	7350	3/31	49	16.6	4.1	14.1	15	
19K6	Glenbrook 1/2	6900	3/27	48	15.9	9.4	15.5	11	
19K5	Clear Creek	7300	4/4	93	26.9	8.1	18.1	4	
19K4	Marlette Lake	8000	3/31	101	34.0	17.6	25.2	15	

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Lahontan	286	234	252	233

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
1. East Carson near Gardnerville, Nev.	260	162	195
2. West Carson at Woodfords, Calif.	80	50	55
3. Carson River near Carson City, Nev.	294	143	192
4. Carson River at Ft. Churchill, Nev.	300	157	189

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL 1, 1958
WATER SUPPLY OUTLOOK

April through July forecasts have been raised considerably over those made last month.

Because of continuing storm conditions, three important snow courses have not been measured as yet. If May 1 snow surveys show conditions to be different than those forecasted, revisions will be published next month.

The East Carson near Gardnerville is being forecasted at 260,000 acre feet or 133 percent of the 15 year 1938-52 normal.

The West Carson at Woodfords is forecasted at 80,000 acre feet or 145 percent of normal.

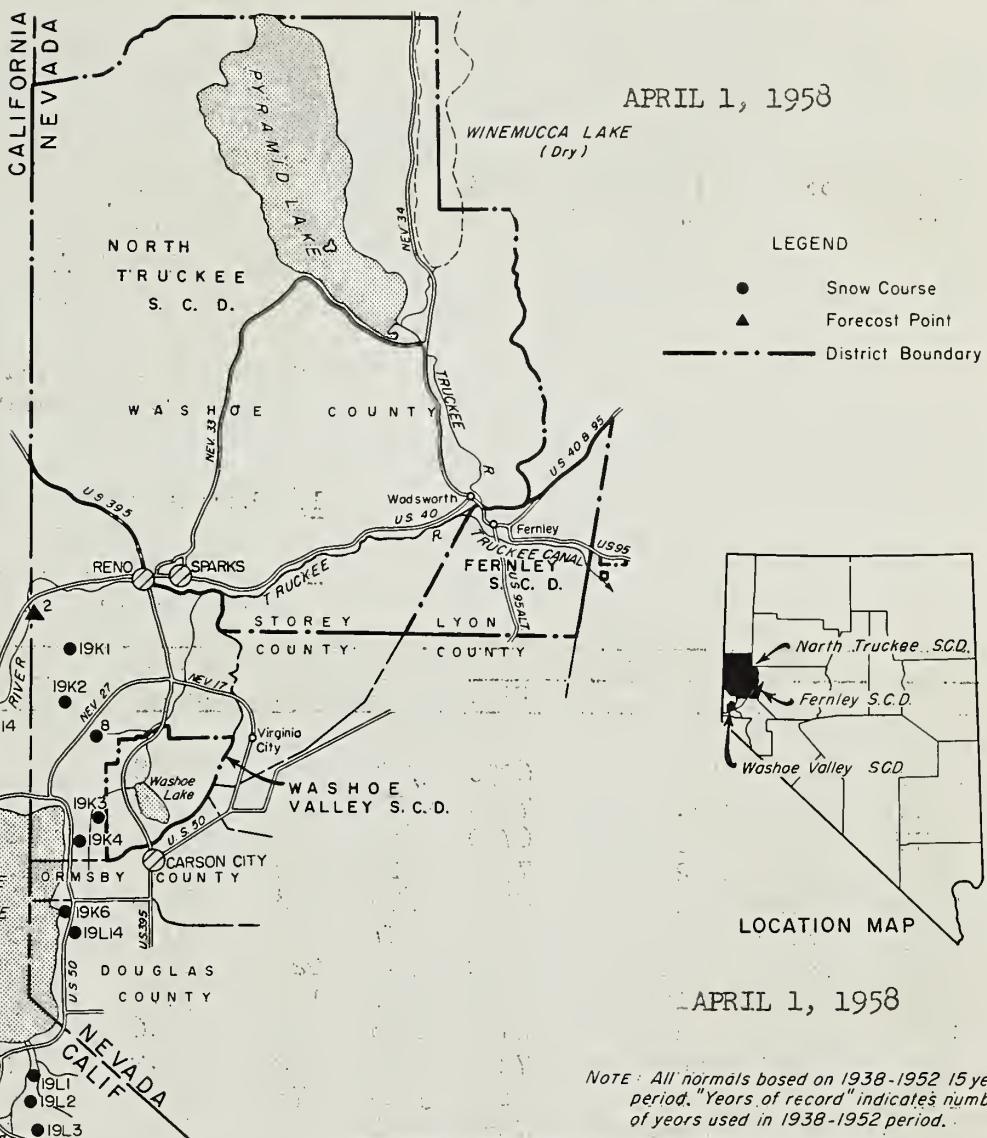
The Carson River at Carson City is forecasted at 294,000 acre feet or 153 percent of normal. Downstream at Fort Churchill the flow is estimated to be 300,000 acre feet or 159 percent of normal.

On April 1, Lahontan Reservoir stored 234,000 acre feet or normal. Because of the high forecasted flows, controlled releases are now being made to cushion the high flows.

SNOW SURVEY & WATER SUPPLY FORECAST

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D.'S.
WASHOE, STOREY & LYON COUNTIES, NEVADA

APRIL 1, 1958



SNOW

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

No.	NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD			
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	YEARS OF RECORD		
			LAST YEAR	NORMAL					
TRUCKEE RIVER									
20K9	Soda Springs	6750	3/28	126	50.6	33.8	38.7 15		
20K8	Furnace Flat	6600	Report delayed		43.5	48.6	15		
20K7	Fordyce Lake	6500	Report delayed		34.2	42.2	15		
20K1	Webber Peak	8000	Report delayed		41.9	45.5	15		
20K2	Webber Lake	7000	Report delayed		30.5	36.0	15		
20K10	Donner Summit	6900	3/28	131	53.0	33.3	42.5 15		
20K5	Independence Lake	8450	4/4	193	63.2	35.4	43.3 15		
20K4	Independence Camp	7000	4/4	127	41.3	22.4	24.1 12		
20K3	Independence Creek	6500	4/4	89	26.8	9.1	13.8 15		
20K6	Sage Hen Creek	6500	3/29	66	25.2	14.8	18.9 15		
20K11	Dormer Lake #1	5950	4/7	119	42.3	15.3	24.3 13		
20K19	Squaw Valley #2	7500	3/24	174	61.7	45.8	-		
20K13	Truckee #2	6400	3/29	53	20.6	8.0	14.5 14		
20K14	Boca #2	5900	4/7	50	15.7	0	5.8 13		
19K2	Mt. Rose	9000	3/31	111	40.6	26.3	36.4 15		
19K3	Little Valley	6300	3/26	32	11.9	0.8	10.4 11		

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Lake Tahoe Boca	732 41	630 7	598 11	446 13

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
		THIS YEAR	LAST YEAR
Little Truckee above Boca, Calif.	149	71	80
Truckee River at Farad, Calif. 1/	416	206	279
Rise of Lake Tahoe (Feet) 2/	2.5	1.40	1.59
Note: Above forecast prepared by Truckee Basin Water Committee			

1/ Exclusive of Tahoe and corrected for
Boca Reservoir.
2/ Maximum rise from April 1 assuming
gates closed

No.	Sno ^y Course Name	Elev	Current Information			Past Record		Years Record
			Date	Depth	Content	Last Year	Normal	
TAHOE								
20K16	Tahoe City	6250	3/24	45	17.8	7.8	13.6	15
20K17	Ward Creek	7000	4/7	201	74.7	41.9	49.5	15
20K18	Rubicon #3	6700	4/10	113	37.5	18.6	21.8	15
20L2	Rubicon #2	7500	4/10	142	51.6	30.6	31.6	15
20L1	Rubicon #1	8100	4/10	208	69.8	44.6	48.0	15
20L3	Richardsons #2	6500	3/27	59	23.0	15.2	18.6	13
20L4	Lake Lucille	8400	4/9	226	88.6	53.0	64.5	15
20L5	Echo Summit	7500	3/31	137	50.7	36.0	41.3	13
19L1	Upper Truckee	6400	3/28	36	14.6	7.8	13.6	15
19L2	Freel Bench	7300	3/28	42	17.2	7.9	11.6	15
19L3	Hagans Meadow	8100	3/28	73	26.9	20.8	19.7	15
19L1 ⁴	Daggetts Pass	7350	3/31	49	16.6	4.1	14.1	15
19K6	Glenbrook #2	6900	3/27	48	15.9	9.4	15.5	11
19K4	Marlette Lake	8000	3/31	101	34.0	17.6	25.2	15

APRIL 1, 1958
WATER SUPPLY OUTLOOK

The April 1 elevation of Lake Tahoe was 6228.25 storing 630,000 acre feet. According to the Truckee Basin Water Committee controlled releases are being made to keep the lake below the legal maximum.

The Committee is forecasting an unimpaired runoff on the Truckee River at Farad of normal at 416,000 acre feet assuming normal precipitation. Donner Lake is expected to fill. Boca Reservoir on the Little Truckee has 7,000 acre feet of storage at present. The flow of 149,000 acre feet during the April-July period from the Little Truckee above Boca will be sufficient to fill Boca to its maximum 41,000 acre feet. It appears that the water supply will be excellent for irrigation and power uses on the Truckee River for the coming season, as above normal runoff may be expected and storage hold-over is good. The Truckee Basin Water Committee forecast figures are preliminary as surveys and studies are incomplete. Forecasts subject to revision May 1. Plate 3a

SNOW SURVEY & WATER SUPPLY FORECAST

STILLWATER, SHECKLER, LAHONTAN S.C.D.'S. & VICINITY
CHURCHILL COUNTY, NEVADA

5 0 5 10 15
SCALE IN MILES

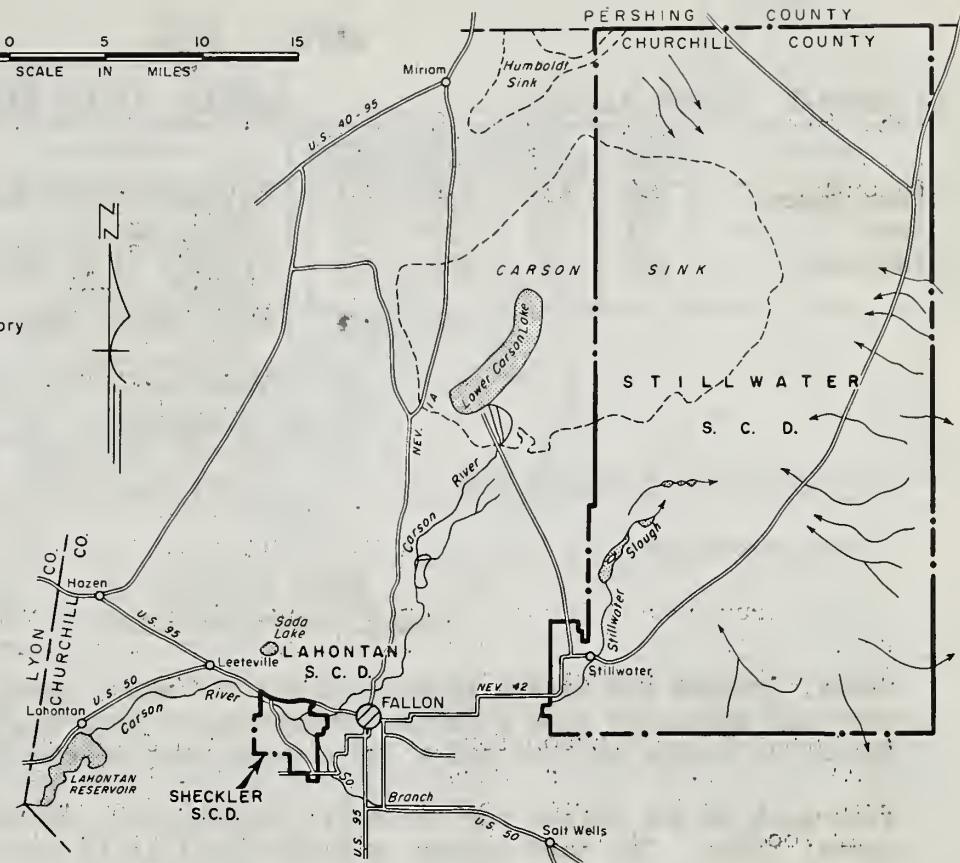
APRIL 1, 1958

LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary



LOCATION MAP



APRIL 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

No.	SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	
TAHOE								
20K6	Tahoe City	5250	3/24	45	17.3	7.8	13.6	15
20K7	Ward Creek	7000	4/7	201	74.7	41.9	49.5	15
20L5	Echo Summit	7500	3/31	137	50.7	36.0	41.3	13
19L3	Hagans Meadow	8100	3/28	73	26.9	20.8	19.7	15
	Note: More complete information on Plate 3							
TRUCKEE								
20K10	Donner Summit	5900	3/28	131	53.0	33.3	42.5	15
20K11	Donner Lake #1	5950	4/7	119	42.3	15.3	24.3	13
20K1	Independence Camp	7000	4/4	127	41.3	22.4	21.1	12
20K6	Sage Hen Creek	6500	3/29	66	25.2	14.8	18.9	15
20K14	Boca #2	5900	4/7	50	15.7	0	5.8	13
	Note: More complete information on Plate 3							
CARSON RIVER								
19L4	Carson Pass	8600		Report delayed		35.2	37.6	15
19K5	Clear Creek	7300	4/4	93	26.9	8.1	18.1	4
19L6	Poison Flat	7900		Report delayed		13.6	16.5	11
19L5	Blue Lakes	8000		Report delayed		27.8	39.8	15
	Note: More complete information on Plate 2							

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Lake Tahoe	732	630	598	446
Boca	41	7	22	13
Lahontan	286	234	252	233

*NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Little Truckee above Boca, Calif.	149	71	80
Truckee River at Farad, Calif.	416	206	279
East Carson near Gardnerville	260	162	195
West Carson at Woodfords	80	50	55
Carson River at Fort Churchill	300	159	189

APRIL 1, 1958
WATER SUPPLY OUTLOOK

Tahoe, Truckee and Carson watersheds are all above normal as indicated by recently completed snow surveys. Measurements were started before the April 1-4 storms arrived and a few courses were measured afterwards.

Forecasts on the Carson for the April through July period are all for above normal flows. The East Carson near Gardnerville is forecasted at 260,000 acre feet or 133 percent of the 15 year 1938-52 normal. The West Carson near Woodfords is forecasted at 80,000 acre feet or 145 percent of normal.

At Carson City gage, the flow is forecasted at 294,000 acre feet or 153 percent of normal. At Fort Churchill, the Carson is forecasted at 300,000 acre feet or 159 percent of normal.

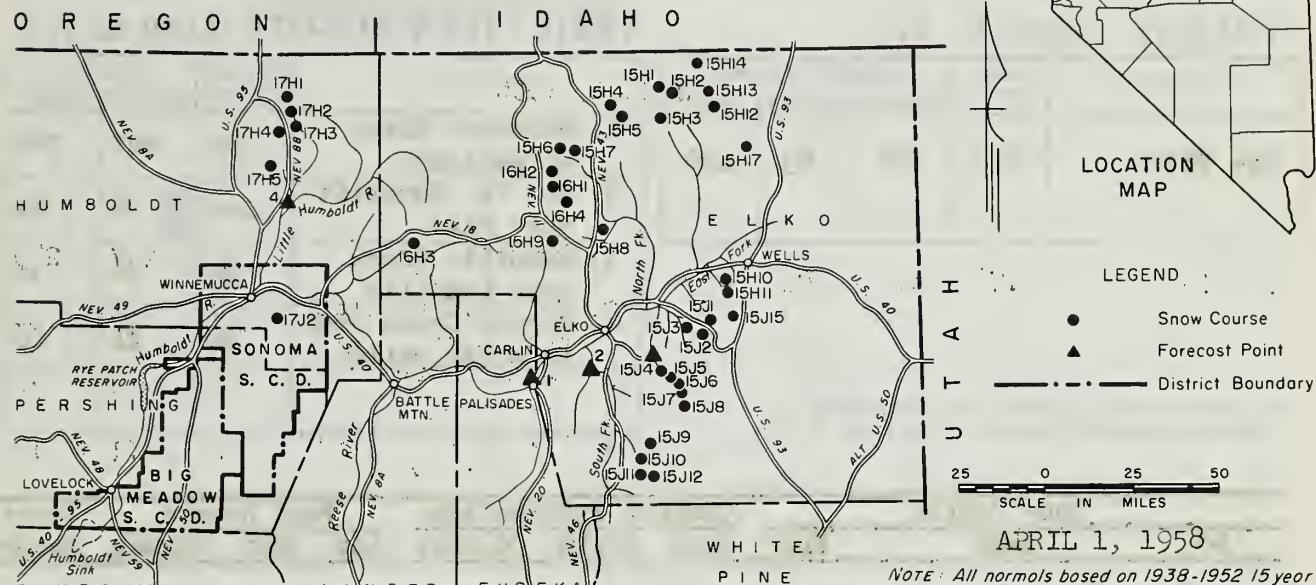
Controlled releases are being made from most reservoirs in this system to have a cushion for the highspring flows.

These forecasts are subject to revision on May 1.

SNOW SURVEY & WATER SUPPLY FORECAST

SONOMA & BIG MEADOW S.C.D.'s., HUMBOLDT RIVER WATERSHED, NEVADA

APRIL 1, 1958



APRIL 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

No.	NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	NORMAL	
15H14	Pole Creek R. S.	8330	3/28	64	21.4	19.2	New Course	
15H1	Bear Creek	7800	3/27	68	23.4	23.3	21.8	10
15H2	Fox Creek	6800	3/27	33	12.3	8.0	8.8	13
15H3	Goat Creek	8800	3/28	61	20.2	18.4	New Course	
15H12	Hummingbird Springs	8945	3/28	73	23.8	22.1	New Course	
15H4	Big Bend	6700	3/31	42	15.2	9.3	10.3	15
15H3	76 Creek	7100	Report delayed		11.2	12.5	4	
15H5	Gold Creek	6600	3/31	28	10.5	5.9	7.0	12
15H6	Rodeo Flat	6300	3/31	45	15.8	8.7	10.9	12
15H7	Fry Canyon	6700	3/31	40	14.9	6.8	10.2	12
15H17	Bull Camp	6000	4/1	10	3.8		New Course	
16H2	Upper Jack Creek	7250	4/1	48	19.3	14.0	11.4	12
16H1	Lower Jack Creek	6800	4/1	24	9.3	3.5	2.7	12
16H4	Jacks Peak	8420	4/1	109	41.3	31.5	New Course	
15H9	Taylor Canyon	6200	4/1	21	8.3	4.0	4.2	12
15H8	Tremewan Ranch	5700	3/31	—	—	—	1.1	11
15J12	Corral Canyon	8500	4/4	87	23.0	17.5	20.1	9
15J11	Harrison Pass #2	7400	4/3	135	10.6	4.1	5.7	11
15J10	Harrison Pass #1	6600	4/3	25	7.2	—	4.2	11
15J9	Green Mountain	8000	4/3	64	22.7	15.3	14.0	9
15J4	Lamoille #1	7100	4/2	41	14.9	10.5	9.9	14
15J5	Lamoille #2	7300	4/2	44	16.1	9.5	10.6	14
15J6	Lamoille #3	7700	4/2	52	17.9	14.1	14.2	14
15J7	Lamoille #4	8000	4/2	76	26.2	21.7	20.0	11
15J8	Lamoille #5	8700	4/2	104	39.5	32.5	28.5	14
15J2	Ryan Ranch	5800	4/3	18	2.9	1.0	1.3	11
15J3	Dry Creek	6500	4/4	35	11.5	2.2	4.8	11
15J1	Dorsey Basin	8100	4/4	61	19.5	10.3	16.4	11
15J15	Hole-in-Mountain	7900	3/31	91	34.0		New Course	
15H11	Upper Trout Creek	8500	3/30	80	28.9	31.2	29.4	7
(over)								

Plate 51

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	100	63	100

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
1. Humboldt River at Palisade	330	247	249
2. So. Fk. Humboldt near Elko	140	78	84
3. Lamoille Creek near Lamoille	34	34	30
4. Martin Creek near Paradise Valley	30	21	18

No	Snow Course Name	Elev	Current Information			Past Record		Years Record
			Date	Depth	Content	Last Year	Normal	
15H10	Lower Trout Creek	6900	3/30	23	9.0	T	3.4	7
17H1	Upper Buckskin	7200	4/1	51	21.0	12.8	10.5	14
17H2	Lower Buckskin	6700	4/1	38	14.0	8.4	8.7	11
17H3	Martin Creek	6700	4/2	39	14.2	8.4	8.2	11
17H4	Granite Peak	7800		No Survey		17.5	11.8	11
17H5	Lamance Creek	6000		No Survey		10.1	9.8	8
16H3	Midas	7200	3/28	22	8.4	T	2.1	11
17J2	Golconda #2	6350	3/28	15	6.9			New Course

APRIL 1, 1958
WATER SUPPLY OUTLOOK

The water supply on the Humboldt is excellent this year. The Humboldt at Palisade is forecast to flow 132 percent of the 1938-52 average while the South Fork is forecast to flow 167 percent of the 1938-52 average. Lamoille Creek is forecast to flow 113 percent of the 1938-52 average, and Martin Creek is forecast to flow 167 percent of the 1938-52 average. Soil moisture is high so most of the snow pack will appear as runoff.

Rye Patch Reservoir storage now is 100,000 acre feet or normal for this time of year. Winter streamflow has been good and Rye Patch Reservoir storage has increased 19,000 acre feet during March.

Valley precipitation has been good throughout the winter. If spring rains continue, excellent range conditions are in prospect.

SNOW SURVEY & WATER SUPPLY FORECAST

PARADISE VALLEY S.C.D., HUMBOLDT COUNTY, NEVADA

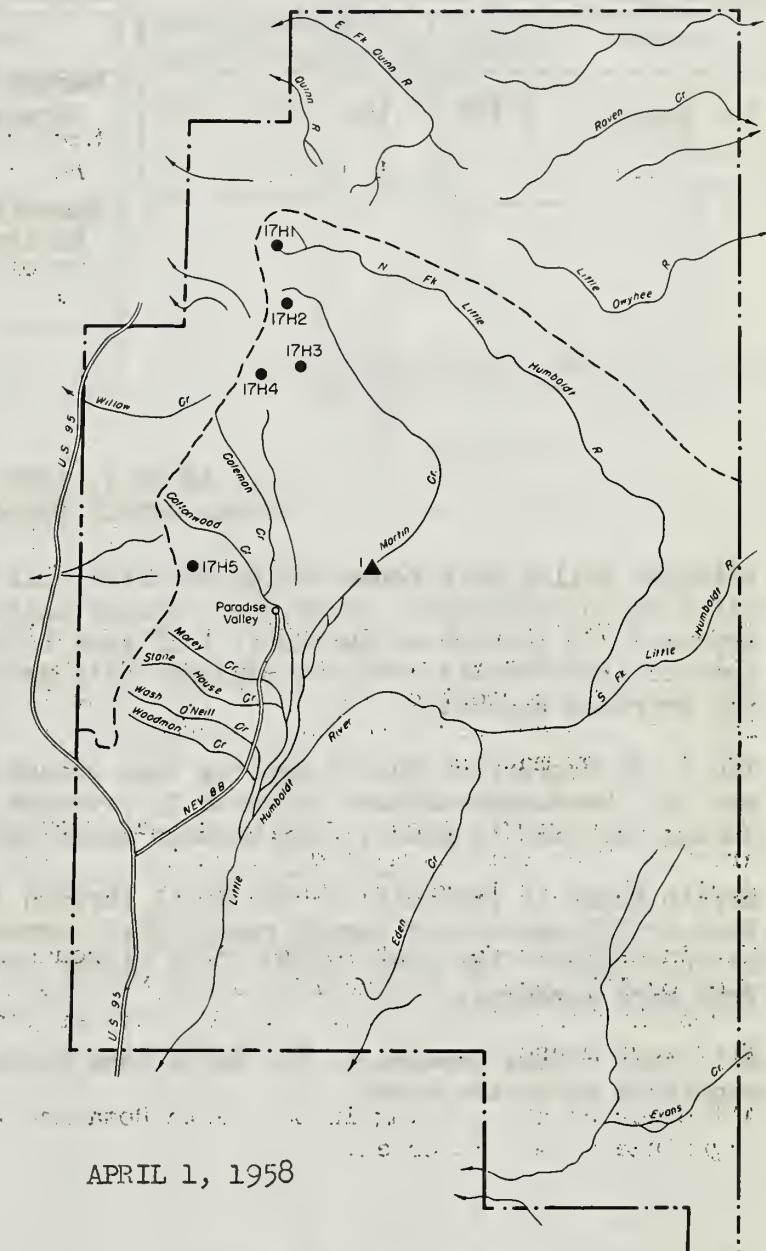
5 0 5 10 15
SCALE IN MILES

APRIL 1, 1958



LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary
- - - Watershed Areas



APRIL 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

No.	NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	NORMAL	
17H1	Upper Buckskin	7200	4/1	51	21.0	12.8	10.5	14
17H2	Lower Buckskin	6700	4/1	38	14.0	8.4	8.7	11
17H3	Martin Creek	6700	4/2	39	14.2	8.4	8.2	11
17H4	Granite Peak	7800	No Survey			17.5	11.8	11
17H5	Lamance Creek	6000	No Survey			10.1	9.8	8

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	100	63	100

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Martin Creek near Paradise Valley	30	21	18
Humboldt River at Palisade	330	247	249

APRIL 1, 1958
WATER SUPPLY OUTLOOK

Paradise Valley Soil Conservation District will have plentiful irrigation season water again this year. Three snow courses measured in the Santa Rosa Mountains averaged 178 percent of the April 1 15 year 1938-52 normal. Granite Peak and Lamance snow courses were not measured this month due to mechanical failure of the oversnow machine.

The U. S. Geological Survey reports that ground water levels in Paradise Valley are up. Measurements made on March 19 revealed the second highest water levels during the past 10 years. The highest water levels were recorded in 1952.

Martin Creek is forecast for the April through July period to flow 30,000 acre feet or 167 percent of the 15 year 1938-52 normal. This forecast is for the second highest flow since 1922. Only higher year was 1952 when 55,900 acre feet were measured.

All other creeks heading in the Santa Rosa Mountains will flow about the same magnitude as Martin Creek.

SNOW SURVEY & WATER SUPPLY FORECAST

JIGGS & LAMOILLE S. C. D's., ELKO COUNTY, NEVADA

5 APRIL 1, 1958
SCALE IN MILES



LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary
- - - Watershed Areas

APRIL 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

No.	NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	NORMAL	
15J4	Lamoille #1	7100	4/2	41	14.9	10.5	9.9	14
15J5	Lamoille #2	7300	4/2	44	16.1	9.5	10.6	14
15J6	Lamoille #3	7700	4/2	52	17.9	14.1	14.2	14
15J7	Lamoille #4	8000	4/2	70	26.2	21.7	20.0	11
15J8	Lamoille #5	8700	4/2	104	39.5	32.5	28.5	14
15J9	Green Mountain	8000	4/3	64	22.7	15.3	14.0	9
15J11	Harrison #2	7400	4/3	35	10.6	1.1	5.7	11
15J10	Harrison #1	6600	4/3	25	7.2	T	4.2	11
15J12	Corral Canyon	8500	4/4	87	28.0	17.5	20.1	9
15J13	Cave Creek	7500	3/27	60	19.8	-	16.5	12
15J14	Hager Canyon	8000	3/27	79	25.3	-	21.6	12

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	100	63	100

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
1. Lamoille Creek near Lamoille	3 ¹ ₄	3 ¹ ₄	30
2. So. Fork Humboldt near Elko	140	78	8 ¹ ₄
3. Humboldt River at Palisade	330	247	249

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL 1, 1958
WATER SUPPLY OUTLOOK

Excellent irrigation season water supplies are in prospect for the Jiggs and Lamoille Soil Conservation Districts.

The five snow courses in Lamoille Canyon average 1⁴⁰ percent of the 15 year 1938-52 April 1 normal. The April through July flow of Lamoille Creek is forecasted at 3¹₄,000 acre feet or 113 percent of the 15 year normal. The U. S. Geological Survey reports that ground water levels in Lamoille Valley are 0.2 feet above the levels recorded last year.

Four snow courses on the headwaters of the South Fork averaged 165 percent of the April 1 normal. These are Green Mountain, Harrison #1, Harrison #2, and Corral Canyon. The South Fork of the Humboldt for April through July is forecasted to flow 1⁴⁰,000 acre feet or 167 percent of the 15 year normal.

The Humboldt at Palisade is forecasted at 330,000 acre feet or 132 percent of normal for April-July period.

SNOW SURVEY & WATER SUPPLY FORECAST

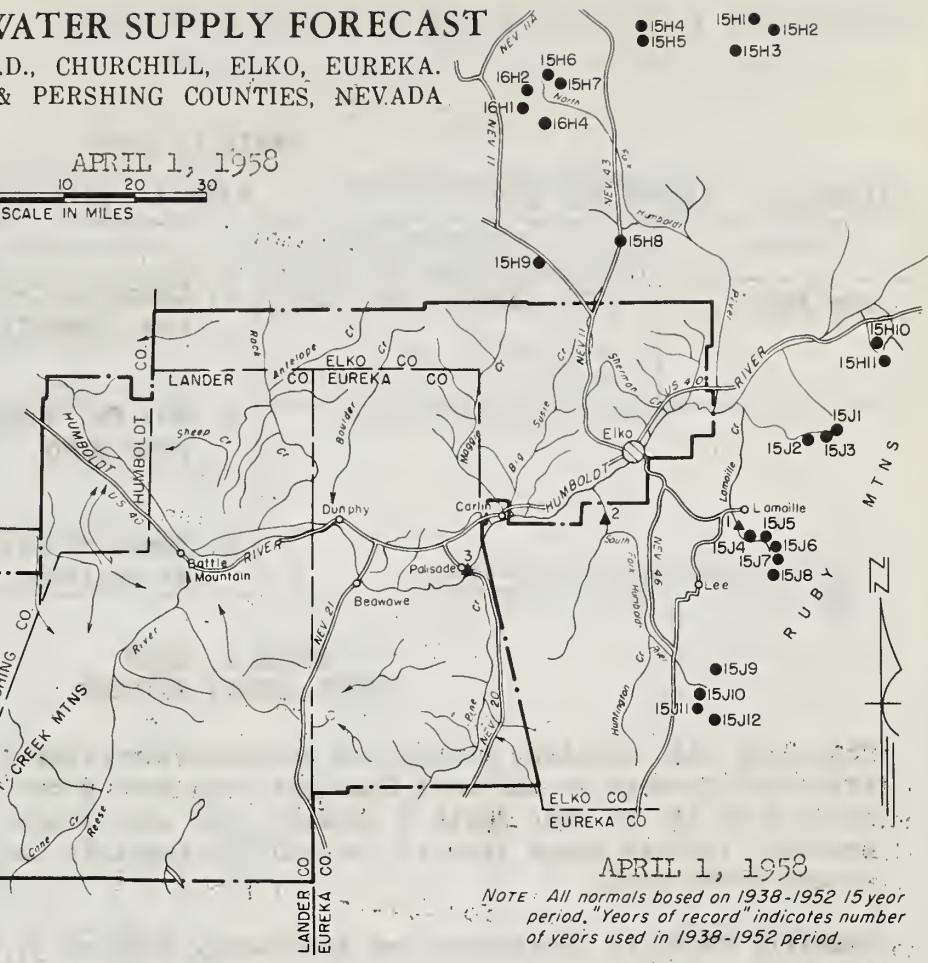
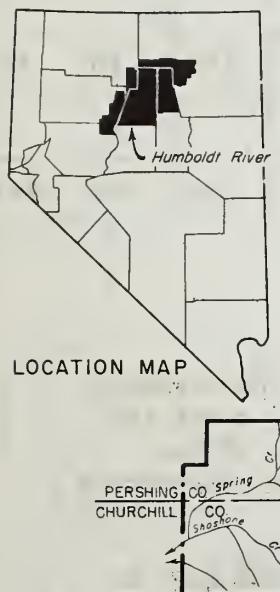
HUMBOLDT RIVER S.C.D., CHURCHILL, ELKO, EUREKA.
HUMBOLDT, LANDER, & PERSHING COUNTIES, NEVADA.

APRIL 1, 1958

10 0 10 20 30
SCALE IN MILES

LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary



APRIL 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

No.	NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	
15H1	Bear Creek	7800	3/27	68	23.4	23.3	21.8	10
15H2	Fox Creek	6800	3/27	38	12.3	8.0	8.8	13
15H3	76 Creek	7100		Report delayed		11.2	12.5	4
15H4	Big Bend	6700	3/31	42	15.2	9.3	10.3	15
15H5	Gold Creek	6600	3/31	28	10.5	5.9	7.0	12
15H6	Rodeo Flat	6800	3/31	45	16.8	8.7	10.9	12
15H7	Fry Canyon	6700	3/31	40	14.9	6.8	10.2	12
16H2	Upper Jack Creek	7250	4/1	48	19.3	14.0	11.4	12
16H1	Lower Jack Creek	6800	4/1	21	9.3	3.5	2.7	12
16H4	Jacks Peak	8120	4/1	109	41.3	31.5	New Course	
15H8	Tremewan Ranch	5700	3/31	1	1	0	1.1	11
15H9	Taylor Canyon	6200	4/1	21	8.3	0	4.2	12
15H11	Upper Trout Creek	8500	3/30	80	26.0	31.2	29.4	7
15H10	Lower Trout Creek	5900	3/30	23	9.0	T	3.4	7
15J1	Dorsey Basin	8100	4/1	61	15.5	10.3	10.4	11
15J3	Dry Creek	5100	4/1	39	11.5	2.2	4.8	11
15J2	Ryan Ranch	5300	4/3	8	2.0	0	1.3	11
15J4	Lamoille #1	7100	4/2	31	14.9	10.5	9.2	14
15J5	Lamoille #2	7300	4/2	44	16.1	9.5	10.5	14
15J6	Lamoille #3	7700	4/2	52	17.0	14.1	14.2	14
15J7	Lamoille #4	8000	4/2	76	20.2	21.7	20.0	11
15J8	Lamoille #5	8700	4/2	104	39.5	32.5	28.5	14
15J12	Corral Canyon	8500	4/1	37	26.0	17.5	20.1	9
15J11	Harrison #2	7000	4/3	35	10.6	1.1	5.7	11
15J10	Harrison #1	6500	4/3	25	7.2	T	4.2	11
15J9	Green Mountain	8000	4/3	61	22.7	15.3	14.0	9

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	100	63	100

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
1. Lamoille Creek near Lamoille	34	34	30
2. So. Fk. Humboldt near Elko	140	78	84
3. Humboldt River at Palisade	330	247	249

APRIL 1, 1958
WATER SUPPLY OUTLOOK

This area has excellent irrigation season water prospects. The northern tributary feeders to the main Humboldt have snow stored water about 150 percent of the 15 year April 1 normal. The snow stored water of the southern feeders range from 140 percent in Lamoille Canyon to 165 percent on the South Fork.

Lamoille Creek is forecasted for April-July flow of 34,000 acre feet or 113 percent of normal.

The South Fork of the Humboldt is forecasted at 140,000 acre feet or 167 percent of normal.

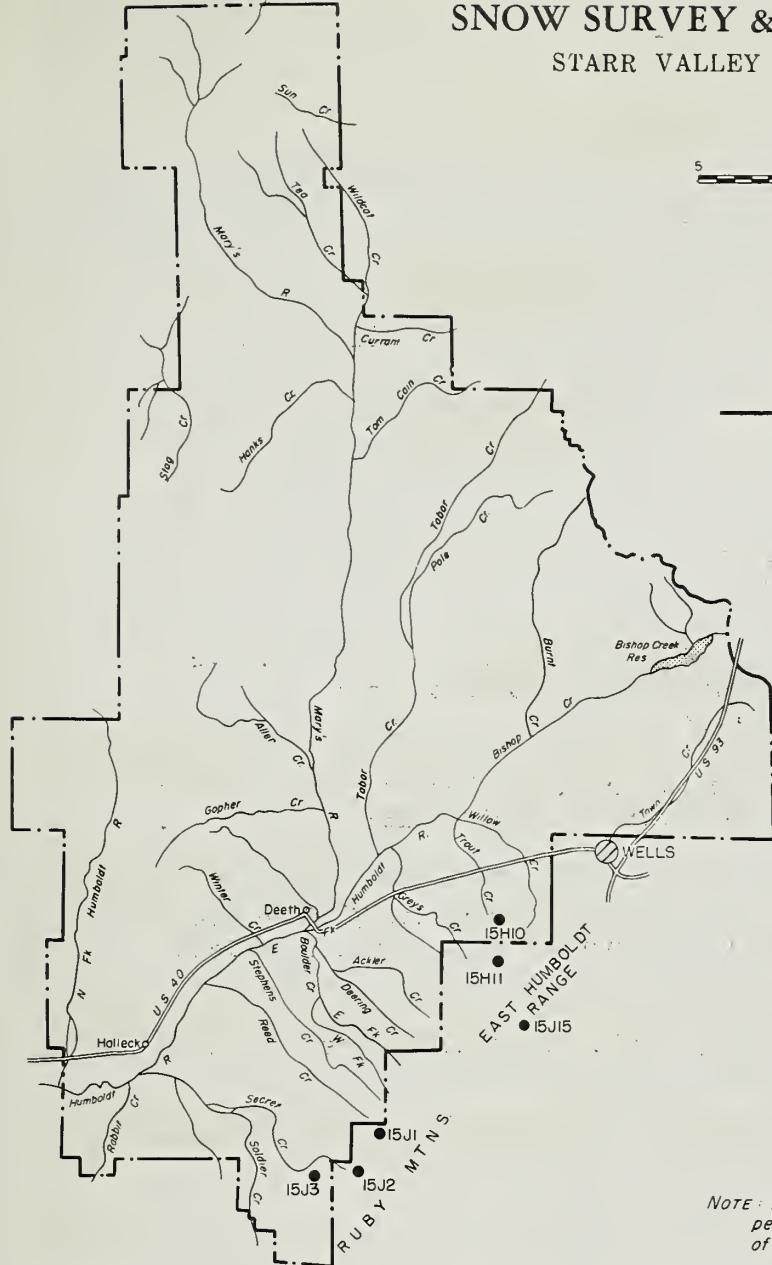
The April-July flow of the main Humboldt at Palisade is forecasted at 330,000 acre feet or 132 percent of the 1938-52 normal.

Range conditions should be excellent this spring.

SNOW SURVEY & WATER SUPPLY FORECAST
STARR VALLEY S.C.D., ELKO COUNTY, NEVADA

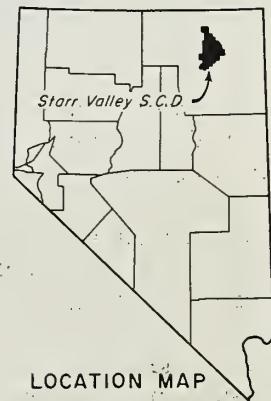
APRIL 1, 1958

5 0 5 10 15
SCALE IN MILES



LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary



APRIL 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	NORMAL
15H10	Lower Trout Creek	6900	3/30	23	9.0	T	3.4	7
15H11	Upper Trout Creek	8500	3/30	80	28.0	31.2	29.4	7
15J15	Hole-in-Mountain	7900	3/31	91	31.0	New Course		
15J1	Dorsey Basin	8100	4/3	61	19.5	10.3	16.4	11
15J2	Dry Creek	6500	4/4	35	11.5	2.2	4.8	11
15J3	Ryan Ranch	5800	4/3	8	2.9	0	1.3	11

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	100	63	100

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Lamoille Creek near Lamoille	34	34	30
Humboldt River at Palisade	330	247	249

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL 1, 1958
WATER SUPPLY OUTLOOK

Recently completed snow surveys in Starr Valley Soil Conservation District point to above normal water supplies. Lower elevation snow courses are considerably above normal indicating early high flows.

The two courses above 8000 feet (Upper Trout Creek and Dorsey Basin) average 108 percent of the April 1 15 year 1938-52 normal. This indicates that late season supplies should be about normal.

Because of mechanical difficulties with the oversnow machine, 76 Creek snow course was not measured. Reports from other northern snow courses indicate Marys River will have above normal flow this year.

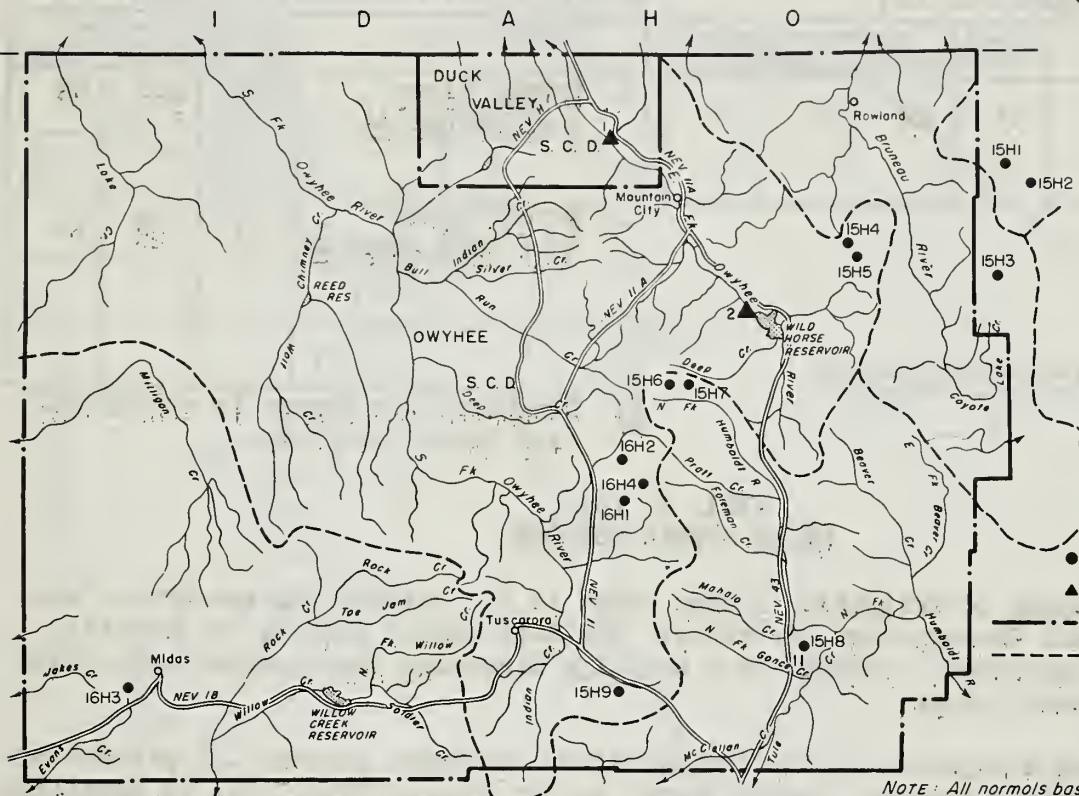
Range prospects continue to look good, especially if spring rains continue.

SNOW SURVEY & WATER SUPPLY FORECAST

DUCK VALLEY & Owyhee S.C.D.'s. ELKO COUNTY, NEVADA

5 0 5 10 15
SCALE IN MILES

APRIL 1, 1958



LOCATION MAP

LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary
- - - Watershed Areas

NOTE: All normals based on 1938-1952 15 year period, "Years of record" indicates number of years used in 1938-1952 period.

SNOW

APRIL 1, 1958

No.	SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	
15H1	Bear Creek	7800	3/27	68	23.4	23.3	21.8	10
15H2	Fox Creek	6800	3/27	33	12.3	8.0	3.8	13
15H3	76 Creek	7100			Report delayed	11.2	12.5	4
15H4	Big Bend	6700	3/31	42	15.2	9.3	10.3	15
15H5	Gold Creek	6600	3/31	28	10.5	5.9	7.0	12
15H7	Fry Canyon	6700	3/31	40	14.9	6.8	10.2	12
15H8	Rodeo Flat	6800	3/31	45	16.8	8.7	10.9	12
16H2	Upper Jack Creek	7250	4/1	48	19.3	14.0	11.4	12
16H4	Jacks Peak	8420	4/1	108	41.3	31.5	New Course	
16H1	Lower Jack Creek	6800	4/1	23	7.3	3.5	2.7	12
15H9	Tremewan Ranch	5700	3/31	T	T	0	1.1	11
15H3	Taylor Canyon	6200	4/1	21	8.3	0	4.2	12
16H3	Midas	7200	3/28	22	8.4	T	2.1	11

APRIL 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Wild Horse	33	22	30	14

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST			MEASURED		
	THIS YEAR	LAST YEAR	NORMAL	THIS YEAR	LAST YEAR	NORMAL
1. Owyhee River near Owyhee 1/	155	102	88			
2. Owyhee River near Gold Creek 1/	51	28	28			

1/ Corrected for change in storage of Wild Horse Reservoir.

APRIL 1, 1958
WATER SUPPLY OUTLOOK

An abundant supply of irrigation season water is in prospect for the Owyhee and Duck Valley Soil Conservation Districts. The soil mantle beneath the mountain snow pack is saturated. Intermediate and high elevation snow courses have above normal snow stored water.

Four snow courses adjacent to the Bruneau River watershed average 136 percent of the 1938-52 April 1 average. Water supply on the Bruneau River will be excellent this year.

April through July forecasts on the East Fork of the Owyhee are 51,000 acre feet or 182 percent of normal at the gaging station below Wild Horse Reservoir while downstream at Owyhee 125,000 acre feet or 176 percent of normal is in prospect.

On the west slope of the Independence Mountains, measurements on Upper and Lower Jack Creek courses were the second highest ever made. The snow surveys of 1952 reported greater water content. Here also, high spring runoff can be anticipated.

Snow measurements on the east slope of the Independence Mountains are not as high as the west slope but two courses on North Fork reported 148 percent of the 1938-52 April 1 normal. Much above normal spring runoff can be anticipated in this area.

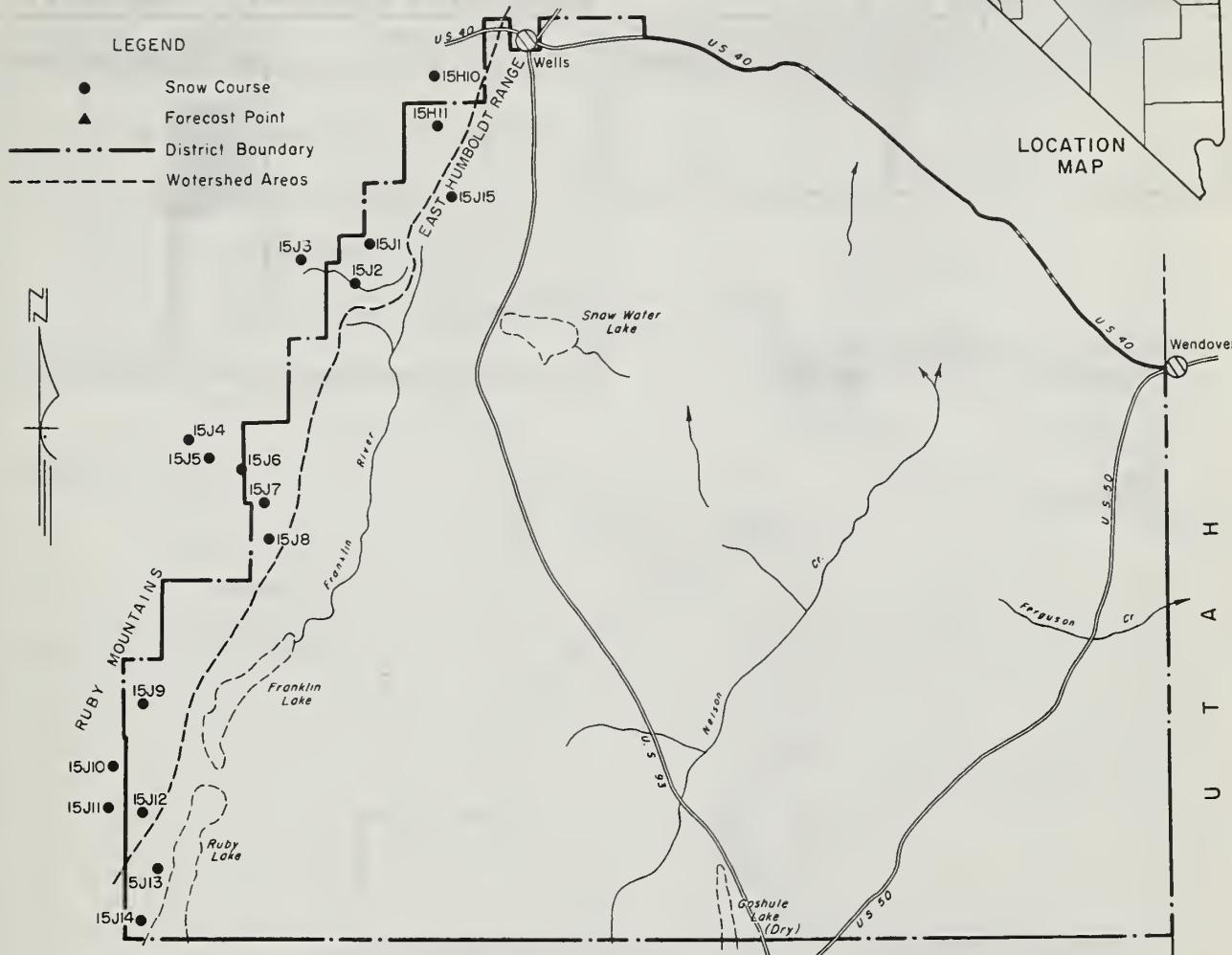
In general, snow water measurements are similar to 1949, but greater flows are anticipated this year. The maximum snow pack was measured in April this year than in March as in 1949. Soil beneath the mountain snow pack is wetter this year than in 1949 and also the intermediate snow pack is slightly greater.

SNOW SURVEY & WATER SUPPLY FORECAST

RUBY S.C.D., ELKO COUNTY, NEVADA

APRIL 1, 1958

10 0 10 20
SCALE IN MILES



SNOW

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

APRIL 1, 1958

NO.	SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)			
						LAST YEAR	NORMAL		
15H10	Lower Trout Creek	6900	3/30	23	9.0	T	3.4	7	
15H11	Upper Trout Creek	8500	3/30	80	28.9	31.2	29.4	7	
15J15	Hole-in-Mountain	7900	3/31	91	34.0	New Course			
15J1	Dorsey Basin	8100	4/3	61	19.5	10.3	16.4	11	
15J2	Ryan Ranch	5800	4/3	8	2.9	0	1.3	11	
15J3	Dry Creek	6500	4/4	35	11.5	2.2	4.8	11	
15J4	Lamoille #1	7100	4/2	41	14.9	10.5	9.9	14	
15J5	Lamoille #2	7300	4/2	44	16.1	9.5	10.6	14	
15J6	Lamoille #3	7700	4/2	52	17.9	14.1	14.2	14	
15J7	Lamoille #4	8000	4/2	76	26.2	21.7	20.0	11	
15J8	Lamoille #5	8700	4/2	104	39.5	32.5	28.4	14	
15J9	Green Mountain	8000	4/3	64	22.7	15.3	14.0	9	
15J12	Corral Canyon	8500	4/4	87	28.0	17.5	20.1	9	
15J11	Harrison #2	7400	4/3	35	10.6	1.1	5.7	11	
15J10	Harrison #1	6600	4/3	25	7.2	T	4.2	11	
15J13	Cave Creek	7500	3/27	60	19.8	-	16.5	12	
15J14	Hager Canyon	8000	3/27	79	25.3	-	21.6	12	

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL

*NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.*

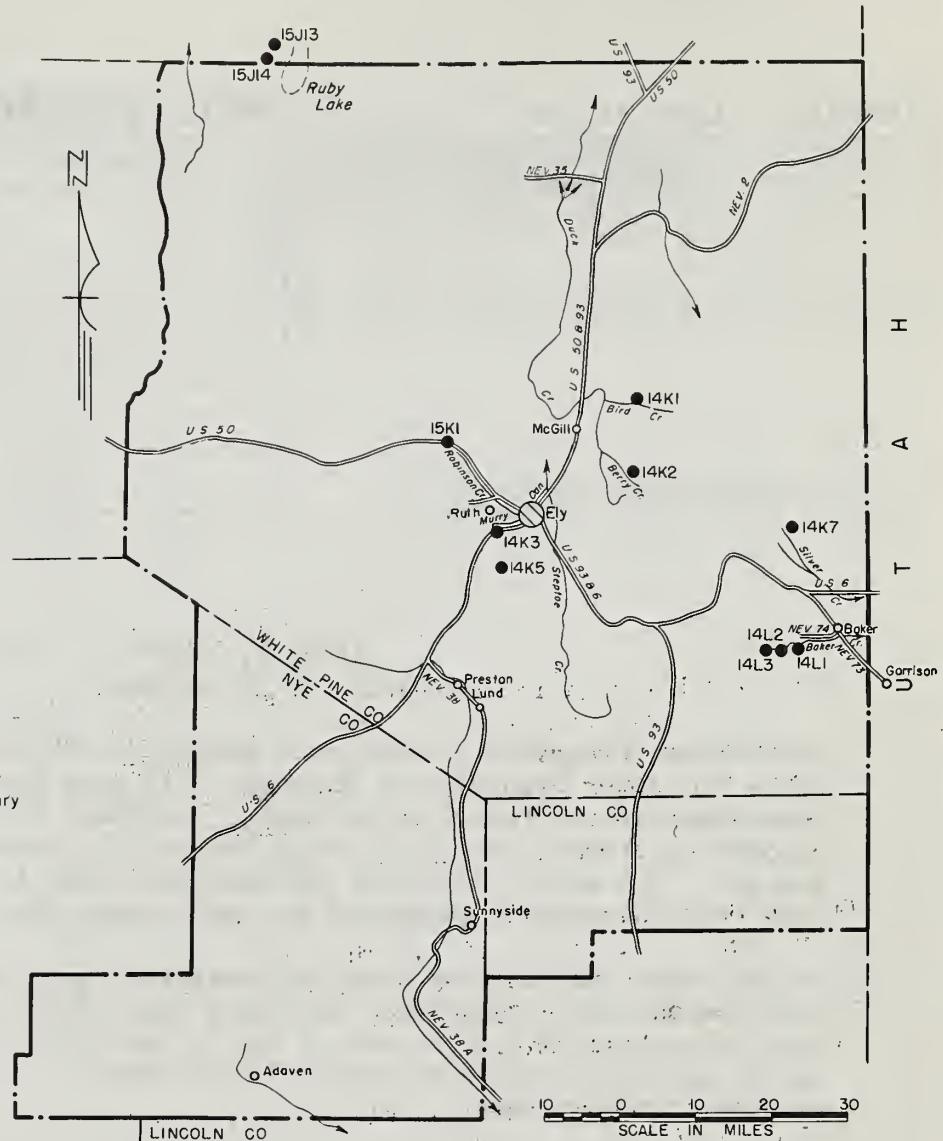
SNOW SURVEY & WATER SUPPLY FORECAST
WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA.



APRIL 1, 1958

LEGEND

● Snow Course
▲ Forecast Point
- - - District Boundary



NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

APRIL 1, 1958

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	YEARS OF RECORD
						LAST YEAR	NORMAL
15J13	Cave Creek	7500	3/27	60	19.8	-	16.4 12
15J14	Hager Canyon	8000	3/27	79	25.3	-	21.5 12
15K1	Robinson Summit	7600	3/25	5	1.0	0	14.7 3
14K3	Murry Summit	7250	3/25	9	2.7	0	3.4 14
14K5	Ward Mountain #2	8000	3/25	58	14.0	8.5	New Course
14K1	Bird Creek	7500	3/24	23	6.0	0	5.1 5
14K2	Berry Creek	9100	3/24	55	16.4	12.4	18.5 5
14K7	Silver Creek #2	8000	3/20	26	6.2	4.9	New Course
14L1	Baker #1	7950	3/21	25	7.4	4.2	6.2 12
14L2	Baker #2	8950	3/21	56	15.9	10.0	18.8 11
14L3	Baker #3	9250	3/21	56	20.1	12.9	20.6 11

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST			MEASURED		
	THIS YEAR	LAST YEAR	NORMAL			

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL 1, 1958
WATER SUPPLY OUTLOOK

Near normal irrigation season water supply can be expected in the White Pine Soil Conservation District. All snow stored water measurements were significantly higher than last year. Snow surveyors reported at lower elevations, early thawing and runoff has already started. The soil beneath the mountain snow pack is saturated. Rains have left a favorable condition for good range prospects.

On the Snake Range, above Baker and Garrison, snow surveys indicate about normal water supplies. The three Baker Creek courses averaged from 84 percent to 119 percent of the 15 year April 1 normal. The new course on Silver Creek measured 6.2 inches of water or 1.3 inches greater than last year.

Two courses were measured on the west slope of the Schell Range. Bird Creek (elevation 7500 feet) measured 6.0 inches of water or 118 percent of the 15 year 1938-52 normal. Water content of the snow at Berry Creek (elevation 9100 feet) measured 16.4 inches or 89 percent of the 15 year normal.

Lower elevation courses on Robinson and Murry Summits were reported as below the 15 year normal.

Two snow courses in the northwest corner of White Pine County at Ruby Lake National Wildlife Refuge on the east slope of the Ruby Mountains surveyed 119 percent of the 1938-52 April 1 normal.

NEVADA SNOW SURVEYS APRIL 1, 1958

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS														
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Past Record			Prior 1938-52 Yrs. of Avg.	Record							
						1958	1957	1956									
LOWER COLORADO RIVER																	
(Spring Mountains)																	
Kyle Canyon	15N5	8200	3/28	45	14.7	4.5	1.8	11.4	15								
Lee Canyon #1	15N4	8300	3/30	32	12.2	2.5	1.5	10.4	16								
Lee Canyon #2	15N3	9000	3/29	44	13.8	5.0	2.9	12.0	15								
Rainbow Canyon #2	15N7	8100	3/28	74	24.4	12.5	11.4	16.8	10								
Clark Canyon	15N2	9000	3/29	40	11.6	3.7	0.8	9.8	12								
Trough Springs	15NL	6500	3/31	29	9.9	1.2	T	7.0	11								
(Meadow Valley Wash)																	
Pine Canyon	14M2	6200	3/30	0	0	0	0	1.6	8								
Mathew Canyon	14M1	6000	3/29	0	0	0	0	0.0	8								
LOWER HUMBOLDT																	
(Reese River)																	
Lower Corral	17L1	7500	3/28	7	1.5	-	0	1.7	13								
Upper Corral	17L2	8500	3/28	49	9.4	-	T	5.0	13								
Big Creek Camp Gr.	17K1	6600	4/7	T	T	0	0	2.1	15								
Big Creek Mine	17K2	7600	4/7	20	6.5	3.4	0	4.0	13								
Upper Big Creek	17K3	7800	4/7	36	11.1	3.5	4.0	8.9	13								
NORTHWESTERN NEVADA																	
Disaster Peak	18H1	6500	3/31	36	18.3	9.6	17.1	17.2	8								
Bald Mountain	19H1	6720	4/1	26	7.7	1.2	2.3	3.4	17								
Leonard Creek	18H2	5900					New Course										
(Surprise Valley)																	
Hays Canyon	19H2	6400	4/1	24	6.2		New Course										
49 Mountain	19H3	6000	3/31	19	5.9		New Course										
Reservation Creek	20H1	5900	3/31	48	16.9		New Course										
Baker Creek	20H2	6500	4/1	49	17.7		New Course										

Agencies Cooperating in Collecting Data Contained
in this Bulletin

FEDERAL

Soil Conservation Service
Forest Service
Geological Survey
Bureau of Reclamation
Fish and Wildlife Service
Army
Navy
Weather Bureau
Agricultural Research Service

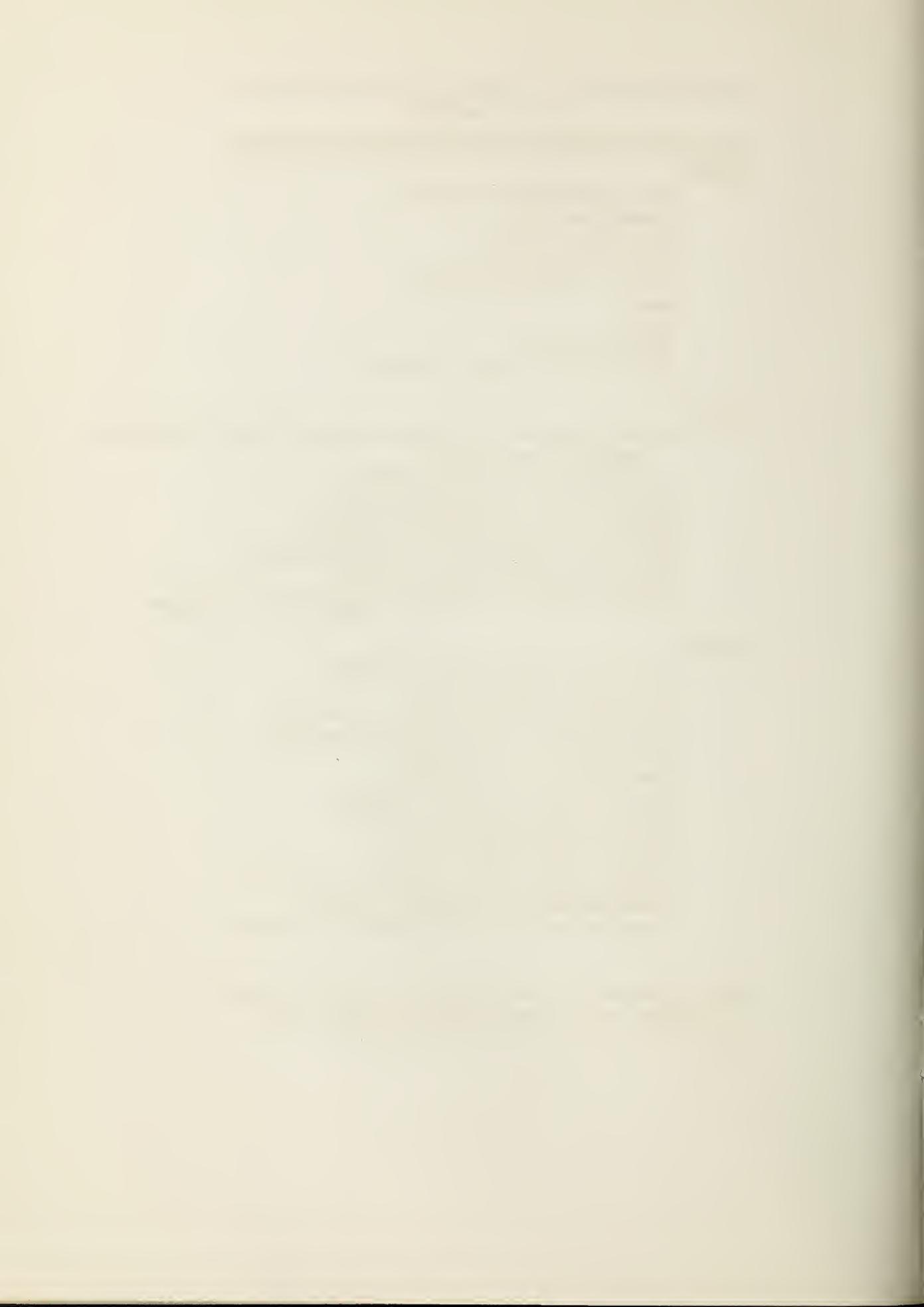
STATE

Nevada Department of Conservation & Natural Resources
Nevada State Engineer
Nevada State Forester-Firewarden
Nevada Cooperative Snow Surveys
Colorado River Commission of Nevada
California Cooperative Snow Surveys
California Department of Water Resources
Oregon Cooperative Snow Surveys
Nevada Association of Soil Conservation Districts

PRIVATE

Walker River Irrigation District
Amalgamated Sugar Company
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Virginia City Water Company
Kennebott Copper Corporation
Squaw Valley Development Company
Pacific Gas & Electric Company
Nevada Irrigation District
Sierra Pacific Power Company
Washoe County Water Conservation District
Truckee-Carson Irrigation District
Pershing County Water Conservation District

Other organizations and individuals furnish valuable
information for the snow survey reports. Their
cooperation is gratefully acknowledged.





Federal - State - Private

COOPERATIVE SNOW SURVEYS

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Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

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"WATER IS THE WEST'S GREATEST RESOURCE"